1889MNRAS..49..328C

Observations of Comet f 1888 (*Barnard*), *made at Stonyhurst College Observatory.* By W. J. Crofton, S.J., B.A.

(*Communicated by the Rev. S. J. Perry.*)

1889.	G.M.T.	∗−☄ R.A.	∗−☄ N.P.D.	Apparent place of ☄ R.A.	Apparent place of ☄ N.P.D.	No. of Comps.	Comp. Star.
	h m s	s	′ ″	h m s	° ′ ″		
Jan. 22	11 3 57	−31·52	+12 33·4	10 13 0·75	75 18 13·2	3	(*a*)
Feb. 4	9 55 46	−19·2	− 4 5·5	9 59 11·4	68 12 48	4	(*b*)

Comparison Stars.

Comp. Star.	Mean R.A. 1889·0.	Reduction to date	Mean N.P.D. 1889·0.	Reduction to date.	Authority.
	h m s	s	° ′ ″	″	
(*a*)	10 12 28·89	+0·34	75 30 41·8	+4·8	W.B.X. 170, Berl. Acad. Zon. X. Lal. 19990.
(*b*)	9 58 51·6	+0·61	68 8 37	+5·5	D.M. +22°, 2172.

Observers: W. J. Crofton and W. Carlisle.

The observations were taken over two bars at right angles and inclined at 45° to the declination circle. The corrections for refraction and parallax have been applied.

On January 22 the comet was faint and diffuse, without any clearly marked nucleus. The observation of February 4 is somewhat uncertain.

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Observations of Phenomena of Jupiter's Satellites at Windsor, New South Wales, in the year 1888. By John Tebbutt.

Day of Obs. 1888.	Satellite.	Phenomenon.	Phase.	Aperture of Telescope.	Mag. Power.	Greenwich Mean Time of Observation. h m s	Mean Time of Nautical Almanac. h m s
Mar. 27	I.	Ecl. D.	Began to fade	$4\frac{1}{2}$-inch	90	23 36 40	23 37 21
27	I.	„	Last seen	„	„	23 37 58	
April 2	I.	„	Began to fade	8-inch	95	7 2 16	7 2 30
2	I.	„	Last seen	„	„	7 3 26	
9	II.	Tr. Egr.	Ext. contact	„	130	0 47 7	0 46
14	III.	Ecl. D.	Began to fade	„	„	23 30 19	23 33 22
14	III.	„	Last seen	„	„	23 39 18	
15	III.	Ecl. R.	First seen	„	„	1 5 50	1 9 58
15	III.	„	Full brightness	„	„	1 17 21	
19	I.	Ecl. D.	Began to fade	„	140	23 44 13	23 46 27
19	I.	„	Last seen	„	„	23 47 23	
22	III.	„	Began to fade	„	„	3 22 17	3 31 1
22	III.	„	Last seen	„	„	3 36 14	
22	III.	Ecl. R.	First seen	„	„	5 5 5	5 8 20
22	III.	„	Full brightness	„	„	5 17 8	
24	II.	Occ. R.	First seen	„	„	23 28 43	23 30
24	II.	„	Bisection	„	„	23 30 39	
24	II.	„	Last contact	„	„	23 32 14	

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